

SNF Stabilization and Disposition (RL-0012)

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Before

*K East Basin
Rack and Debris Removal*



During



After

Overview

This section addresses work in Project Baseline Summary (PBS) RL-0012, *Spent Nuclear Fuel Stabilization and Disposition*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of February 2006.

Notable Accomplishments

SNF Stabilization and Disposition (PBS RL-0012)

Sludge Retrieval and Transfer: K East Basin completed the planned bulk debris removal on February 23, 2006, 2.5 months ahead of the baseline date of May 2, 2006. The project continued ahead-of-schedule progress in vacuuming (2236 of 8925 cubicles, 712 ahead of schedule) and completed the vacuuming of the center bay on March 15, 2006.

K West Basin maintained ahead-of-schedule progress in debris removal (563 of 914 debris units completed, 114 ahead of schedule), and shipped 18 canister waste boxes to the Environmental Restoration Disposal Facility (ERDF).

Legacy Fuel: The project completed dry-runs for the PAS-1 Cask handling operations that will be used to send suspect fuel to the Pacific Northwest National Laboratory (PNNL) for evaluation.

Issues

Sludge Transfer – Hose-in-hose (HIH) construction installation verification and testing is requiring greater effort than planned: Additional resources and work shifts are being utilized to expedite task completion as well as the development and incorporation of alternate schedule activities and logic. The project will continue to closely monitor progress in daily status reviews between construction, engineering, and test groups and adjust the daily plan as required. While the start of the transfer has moved to -15 days, the completion of all sludge transfers remains ahead of the May 31, 2006, milestone by 118 days.

Change in Sludge Treatment Project Procurement Strategy: FH received formal notification from RL on March 15, 2006, that they had withdrawn their previous approval for early procurement for the Sludge Treatment Project. This change increases the risks associated with achieving November 2009 Defense Nuclear Facilities Safety Board (DNFSB) and Tri-Party Agreement (TPA) milestones for completing sludge treatment.

FY 2006 Funds vs. Spend Forecast (\$M)

		Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
RL-0012	SNF Stabilization & Disposition	\$ 122.8	\$ 123.6	\$ -0.8
Total		\$ 122.8	\$ 123.6	\$ -0.8

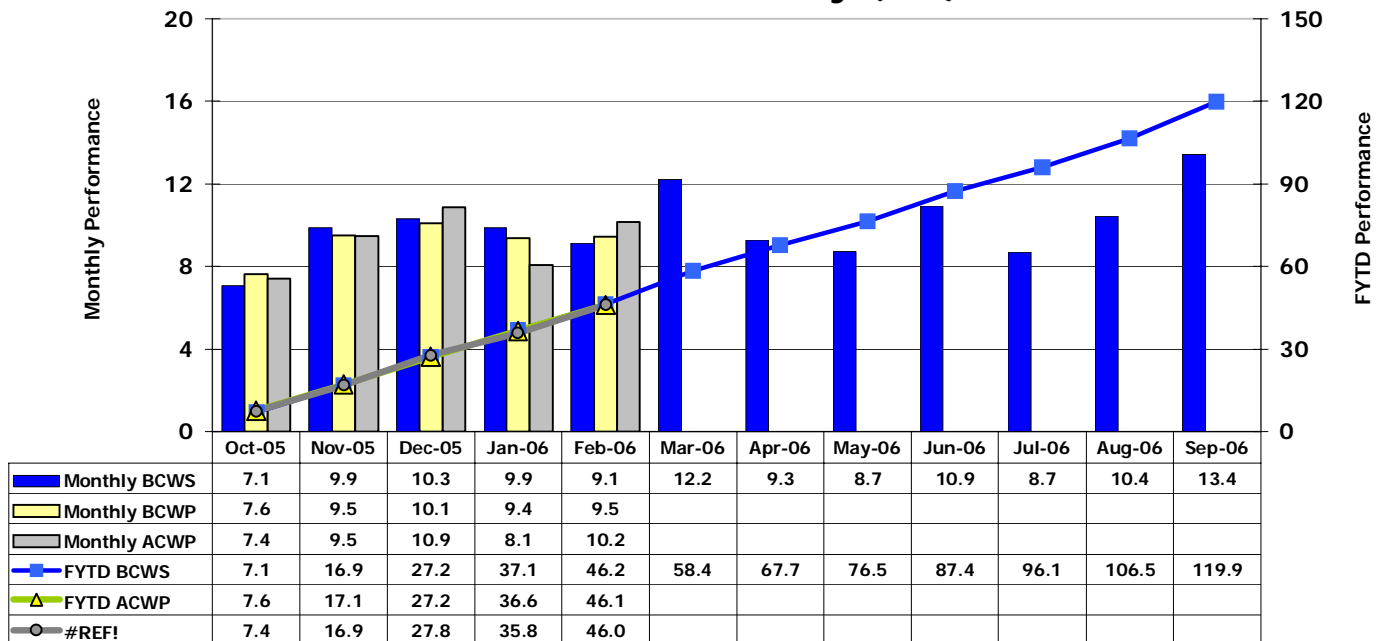
FY 2006 Schedule/Cost Performance (\$M)

Schedule		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0012	SNF Stabilization & Disposition	\$46.2	\$46.1	\$46.0	-\$0.2	-0.3%	\$0.1	0.2%	\$119.9
Total		\$46.2	\$46.1	\$46.0	-\$0.2	-0.3%	\$0.1	0.2%	\$119.9

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

- Performance (-\$0.2M/-0.3%): Schedule variance is within threshold.
- Cost Performance (+\$0.1M/+0.2%): Cost variance is within threshold.

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Milestone Title	Type (TPA/PI/ DNFSB)	Due Date *	Actual Date	Forecast Date	Status / Comments
M-034-33B (S10-05-018)	Complete K East Sludge Containerization	TPA	03/01/05		08/23/06	Behind Schedule: not included in TPA change
RL-12-1.b (S10-99-082)	Transfer K East Sludge to K West Containers	PI	11/30/05	**	12/11/06	Behind Schedule
RL-12-1.bb (S10-99-963)	Transfer Found Fuel and Fuel Scrap from K East to K West	PI	11/30/05		08/31/06	Behind Schedule
M-034-34 (S10-05-010)	Complete Removal of K East Sludge	TPA	05/31/07		12/11/06	Ahead of Schedule
RL-12-1.ce (S10-99-978)	Complete K East Water Removal	PI	01/31/06		11/02/07	Behind Schedule
RL-12-1.ca (S10-99-967)	Encapsulate 3 K East Bays	PI	02/28/06		07/07/09	Behind Schedule
RL-12-1.cb (S10-99-968)	Remove K East Superstructure	PI	06/30/06		08/14/08	Behind Schedule
M-034-35a (S10-05-011)	Containerize K West Sludge	TPA	07/31/07		02/26/07	Ahead of Schedule
M-034-35b (S10-05-011)	Complete Final Pass	TPA	01/31/08		03/23/07	Ahead of Schedule
RL-12-1.cc (S10-99-969)	Complete First K East Basin Section Disposal	PI	07/31/06		12/12/08	Behind Schedule
RL-12-1.bd (S10-99-965)	Commencement of Floor and Canister Sludge Treatment	PI	07/31/06		07/10/08	Behind Schedule
RL-12-1.ci (S10-99-971)	Decon/Immobilize K West Basin Wall (7600 sq. ft.)	PI	08/31/06		12/28/09	Behind Schedule
RL-12-1.bc (S10-99-081)	Remove Found Fuel and Scrap	PI	09/30/06		07/18/08	Behind Schedule
RL-12-1.cf (S10-99-972)	Complete K East Basin Removal	PI	09/30/06		07/07/09	Behind Schedule
DNFSB 119E (S10-05-014)	Complete K East Sludge Consolidation	DNFSB	10/31/06		08/23/06	Ahead of Schedule
DNFSB 120E (S10-05-015)	Complete K East Basin Sludge Removal	DNFSB	05/31/07		12/11/06	Ahead of Schedule
DNFSB 122E	K East Final Pass Sludge Removed	DNFSB	05/31/07		03/23/07	Ahead of Schedule
DNFSB 119W (S10-05-016)	Complete K West Sludge Containerization	DNFSB	07/31/07		02/26/07	Ahead of Schedule

* DNFSB dates reflect Implementation Plan update; TPA dates reflect change package M-34-05-04; forecast dates are current working level schedules.

** Final Pass (Fifth Container) transfer